



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US96/14317 <b>(22) International Filing Date:</b> 6 September 1996 (06.09.96) <b>(30) Priority Data:</b> 08/525,385      8 September 1995 (08.09.95)      US <b>(71) Applicant:</b> U.S. ROBOTICS CORPORATION [US/US]; 8100 North McCormick Boulevard, Skokie, IL 60076-2999 (US). <b>(72) Inventors:</b> KRALOWETZ, Joseph, D.; 12 Forest Brook Court, Germantown, MD 20874 (US). ORTEGA, Douglas, F.; 9708 Huntmaster Road, Laytonsville, MD 20882 (US). <b>(74) Agent:</b> HULBERT, Bradley, J.; McDonnell Boehnen Hulbert and Berghoff, 7th floor, 300 South Wacker Drive, Chicago, IL 60606 (US).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> TRANSPARENT SUPPORT OF PROTOCOL AND DATA COMPRESSION FEATURES FOR DATA COMMUNICATION		
<b>(57) Abstract</b>  <p>A proxy engine (50) enables network protocols that are supported by both network endpoint application (30) and local endpoint application (20). The proxy engine (50) determines network control protocols and enables data compression techniques (54) that are supported by the network endpoint application (20) and the proxy engine. It transmits data between the local endpoint application (20) and the network endpoint application (30). The proxy engine (50) also opens multiple communication channels for transmitting data simultaneously between the local endpoint application and the network endpoint application.</p> <div data-bbox="682 1176 1364 1869" style="text-align: center;"> <pre> graph TD     20[LOCAL ENDPOINT APPLICATION 20] &lt;--&gt; LOCAL SESSION 26  52[52 PPP SINGLE CHANNEL NO DATA COMPRESSION]     52 &lt;--&gt; 54[54 PPP ML MULTI CHANNEL COMPRESSED DATA]     54 &lt;--&gt; NETWORK SESSION 28  30[NETWORK ENDPOINT APPLICATION 30]     subgraph 50 [PROXY ENGINE 50]         52         54     end           </pre> </div>		